

MODERNIZE!  
*with*



**THE MILLS COMPANY, 965 Wayside Rd., Cleveland, Ohio**

Representatives in All Principal Cities





Fig. 542. Typical Example—Before Mills Metal Modernization

The average business man of today spends more than half his waking hours in his office, much more than he devotes to his home. Yet in most cases he endures conditions which he would never tolerate in his home. The Mills *MODERN METHOD* of office layout, renovating or space division creates an atmosphere of quiet dignity, of efficient businesslike easy-to-work-in surroundings.

## MILLS FLUSH

Never before in the history of the building industry has so much partition been offered in any ONE design. Figures 544 and 545 exemplify the *MODERN TREND* to *STREAMLINED* surroundings which The Mills Company pioneered giving a new, up-to-date appearance to the progressive business office. Engineering skill has produced this *STREAMLINED* version of The *FLUSH PILASTER* Partition, the partition that is leading the field in durability, appearance, quality and efficiency.

The *FLUSH PILASTER* Partition is 3 inches thick, double insulated, and is absolutely flush and permanently flat with a double hair-lined joint between panels and ends, with no protruding parts to collect dirt.

### SIZES

Mills *FLUSH PILASTER* Partitions are stocked in flush panels of either all steel or steel and glass construction, in multiple 6 inch widths (to 42 inches for all steel and 60 inches for steel and glass) for all standard cornice heights of 7' 4 $\frac{7}{8}$ ", 8' 9 $\frac{7}{8}$ ", 9' 2" and 10' 1 $\frac{1}{2}$ " (partitions above this height are not considered standard but can be fabricated).

With glazed panels the glass width is determined by the width of the panel used, but the height of the lower light is 42 inches (except in the stream lined type partition) and that of each upper light varies with the cornice height 15 $\frac{3}{4}$ ", 20 $\frac{1}{4}$ " and 31 $\frac{3}{8}$ " inches. The 7' 4 $\frac{7}{8}$ " panel has a full light. The



Fig. 544. Typical Example—Mills *STREAMLINED FLUSH PILASTER* all Steel and Steel and Glass Partition





Fig. 543. Typical Example—Same Office with Mills Metal *FLUSH PILASTER* Wainscoting

## PILASTER PARTITIONS

10' 1½" panel has full lights above and below, separated by a 2¼" transom bar. The panels between these heights have a full light below and a half light above.

Door sections are interchangeable with 42 inch panel sections. Other sections are also interchangeable—an 18 inch and 24 inch section for a 42 inch section, etc.—to permit of any desired arrangement and *practically 100% salvage for rearrangement.*

In combination steel and glass panels the construction described above is used to a height of 42 in. with the glass above. The glass is held securely with modern moldings with no exposed screws or fasteners. Moldings do not protrude beyond the face of the panel and present a modern flat, and up-to-date appearance (characteristic of this partition) so much desired.

## CONSTRUCTION

Each panel section is assembled from two sheets of high grade cold rolled furniture steel, first formed on the edges, then welded to rigid vertical channels of the internal core. Slabs of ½" thick, low density, insulating board are cleated on studs attached to vertical channels and cemented against backs of the sheets under pressure. The panel sheets, while under pressure, are welded to the core around its entire perimeter, thus holding the insulation tightly against the steel and assuring a permanently flat rigid panel. No wind or weave is possible. While standard panels are highly sound resistant, holes are provided in the vertical channel members to permit the 2" dead air space to be filled (when additional sound deadening is required) with blown glass wool, or other sound-proofing material. Base post caps may also be felt lined and filled for further sound resistance.

Fig. 545. Typical Example — Mills Modern *STREAMLINED FLUSH PILASTER* Partition. Mills Modern Methods and Engineering Skill Produced this Beautiful Office.







## FEATURES OF THE MILLS

**Fig. 504**—An example of the “ART” in Mills Metal *PARTITIONS*. Although the arches pictured here are not standard they are typical of the quality work THE MILLS COMPANY produces year after year. Only specialized engineering can produce such a satisfactory and artistic installation.

All surfaces are perfectly smooth, there are no unsightly joints or bulges where metal is welded. All walls are finished to match perfectly the finest of expensive grains.

The wiring is concealed in the built-in wire raceways in base and cornice. A complete installation with elevator doors and car interior grained to match the partitions.



**Fig. 481**—Mills 3" *FLUSH PILASTER* Railing. 42" high and built of standard units of the same quality, durable construction as the regular *FLUSH PILASTER* Partition, finished in a pleasing easy to clean (mild soap and lukewarm water will suffice) flat color.

A necessary requisite to any busy office where outsiders come and go. A definite control on needless traffic between departmental divisions where a maximum of efficiency must be obtained with a minimum of expense and time.

The Mills *FLUSH PILASTER* rail is so constructed and erected that it presents an appearance of permanence and stability. It is fastened to the floor by means of a patented anchor and leveling device. This leveling device assures the customer of perfect alignment of the partition in any type building whether the floors are new and level or old and uneven.

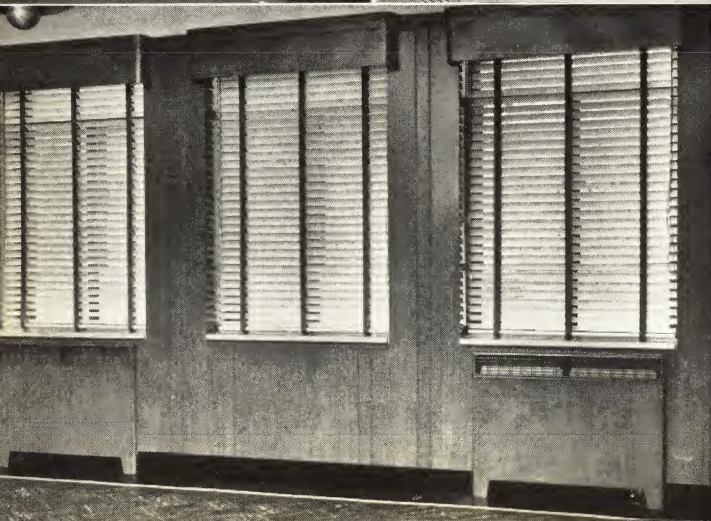


**Fig. 451**—Because buildings now standing and most new buildings erected today are more and more being equipped with air conditioning systems, THE MILLS COMPANY has designed a *MODERN FLUSH PILASTER* Partition, sufficiently flexible to meet changing conditions in present buildings and keep in step with continuous improvements in modern building design.

Figure 451 shows an installation of *FLUSH PILASTER* Partitions in an office having a double ceiling which contains the air conditioning ducts and other conduits.

Special doors are provided where air conditioning is used. These doors contain louvres especially designed to architects' specifications to retard sound from the corridor or office, and at the same time permitting a constant flow of air of a specified volume to pass through.

Thus the *FLUSH PILASTER* Partitions assure complete privacy where necessary, yet do not interfere with the satisfactory operation of any modern building accessories.



**Fig. 502**—Mills Metal wainscoting, pictured here, can do much towards making an old building modern, a better place in which to work, and give a new building a finished touch that plaster or ordinary materials cannot accomplish.

In this installation radiators, venetian blind mechanisms, and all other appurtenances, ordinarily exposed to and permitted to catch dirt and dust, are covered with wainscoting presenting a finished, *STREAMLINED* appearance.

In most buildings, all of the various plumbing, electrical, and furniture accessories such as book cases, etc., give the appearance of being an after thought, a later addition to the building unit breaking up the symmetry of an otherwise beautiful interior.

Mills *FLUSH PILASTER* Wainscoting will give any office that sleek *STREAMLINED* effect taken for granted today in all motor cars, trains, etc., thanks to the alertness of our engineering department in foreseeing the genuine need for a partition flexible enough to meet all conditions.



## FLUSH PILASTER PARTITIONS

**Fig. 442**—Mills *FLUSH PILASTER* Partitions are designed to produce efficiency in all offices. The installation illustrated here, as in Fig. 481, was planned by Mills Engineering Department to save wasted effort, to save time, to prevent a costly drain on the resources of a modern company.

Only partitions easily erected of standard units which may be interchanged with other units, in case of necessity, can be considered modern and efficient. Mills *FLUSH PILASTER* units are all interchangeable and *practically 100% salvageable*.

A standard 42" all steel panel may be removed from any section of a run of partitions without disturbing the panels on either side or the filler above and a standard door, wicket, steel and glass, or bookcase section being substituted. This change can be made overnight or during working hours without disturbing employees adjacent to these partitions or creating any annoyance, dirt, dust or noise.

**Fig. 513**—Most busy executives of progressive firms like to keep in close touch with the activity of their organizations but, also, require a degree of privacy when the need arises.

Mills *FLUSH PILASTER* Partitions, as pictured here, are sufficiently flexible to meet the demand for any arrangement where departmental unity plus individual privacy is necessary. In this installation provisions were made, whereby, the chief executive could, at any time, confer with his staff without the annoyance of stepping into the open corridor and exposing himself to undesirable or less important business. Yet, at all times, each office was a complete unit and isolated from adjacent offices.

Private clothes closets and lavatories were built into each office using *FLUSH PILASTER* Partitions throughout, and all grained in a natural American Walnut grain. In this building **THE MILLS COMPANY** laid out and installed an office that is pointed out as a fine example of the modern trend in commercial building interior decoration.

**Fig. 523**—**THE MILLS COMPANY** is always on the alert to correct conditions which tend to create disturbances or annoyance. For example, we illustrate here a condition which eliminated a constant irritation in one office.

Everyone is aware of the musty, closed up smell of a wardrobe on a rainy day. In this case, our engineering department was consulted and eliminated the trouble immediately by specifying a panel with a built-in ventilator to be installed. This ventilator was designed to circulate a current of air through the enclosure.

Our engineering department is always at the disposal of architects, engineers, contractors, and building owners. Present your problem to our nearest representative. He will be glad to submit the information to us and we will forward our solution with no strings tied to it, no obligations at any time for our engineering service.

**Fig. 531**—The Mills *FLUSH PILASTER* Partition is stocked in a large assortment of sizes of all steel and steel and glass panels. At practically a moment's notice, we can ship to any destination a complete office layout of the type illustrated here and have it ready for occupancy in less than one day after the arrival of the material.

Research and careful engineering has placed manufacture and installation of Mills *FLUSH PILASTER* Partitions in a class with the production line methods of the well-known automobile manufacturers. When you specify Mills Partitions you are assured of quality merchandise plus our continued interest in the installation even after we are absolutely certain that it is satisfactory to the customer in every detail.

Our many high grade installations all over the country speak for our engineering skill and ability to produce a more than satisfactory partition. Wide acceptance by architects, contractors and buyers has been accorded this most distinctive and original line.

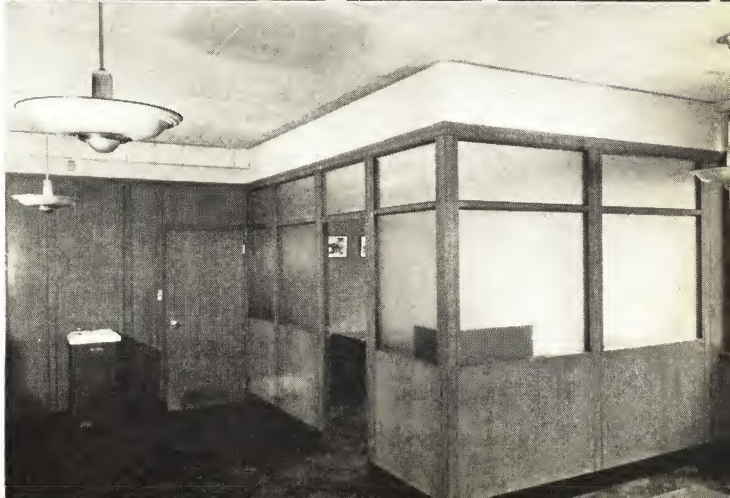






Fig. 389. Combination Tension and Compression Clip. Open and Closed

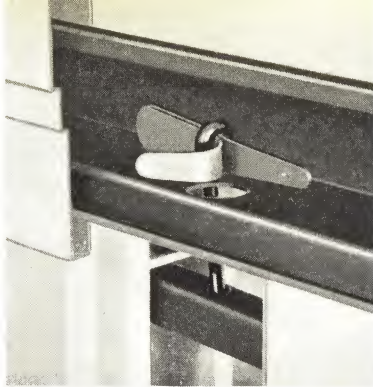


Fig. 390. Cotter Pin Key Wedge Easily and Quickly Locked, Tightly Holding Structural Cornice at Each Post

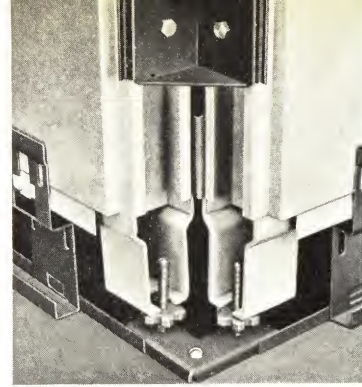


Fig. 383. Corner Post Clip and Spacer Forming Perfect "T" and Corner Connection

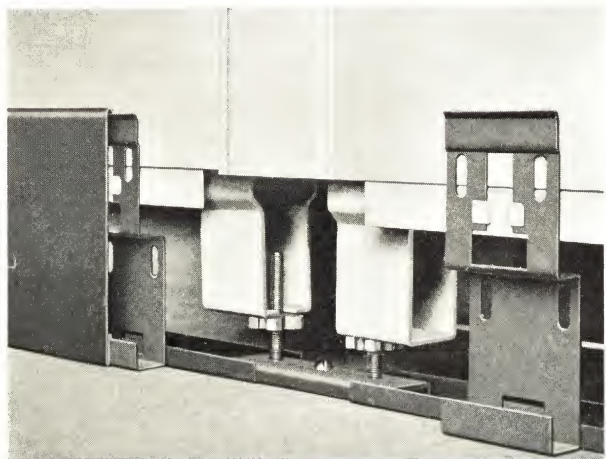


Fig. 387. Patented Leveling Device Holding Floor Channel in Perfect Alignment from Pilaster to Pilaster

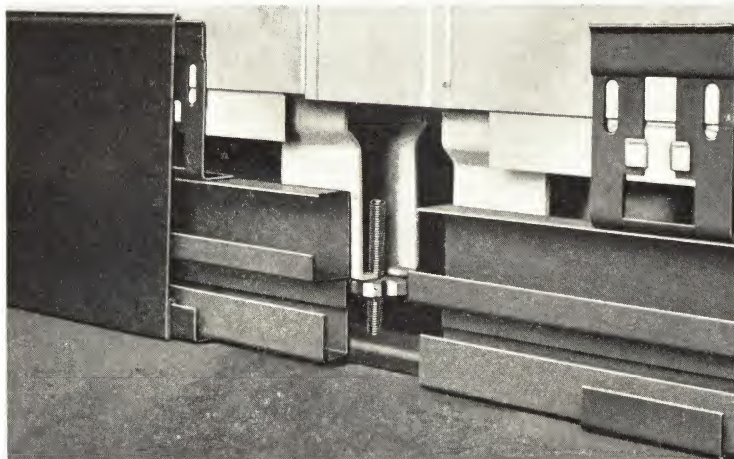


Fig. 385. Standard Assembly at Pilaster Showing Removable Base with Layin Wiring Feature

## SPECIFICATIONS MILLS FLUSH PILASTER OFFICE PARTITIONS

**UNITS**—The partitions are to be built in standard cornice height of either 7' 4 $\frac{7}{8}$ ", 8' 9 $\frac{7}{8}$ ", 9' 3" and 10' 1 $\frac{1}{2}$ " to the top of the cornice trim as indicated.

All units are to be shipped from the factory in one assembly from floor to cornice in widths of multiples of 6" not to exceed 42" in all steel and 60" in steel and glass. All are to be interchangeable. All 42" wide panels will interchange with a 42" door section. All units are to be 3" thick.

On all ceiling height partitions the units are to be so designed that any panel below the cornice line can be removed without disturbing adjacent panels or any material above cornice.

**PANELS**—Shall be constructed of two sheets of high grade furniture stock steel formed at the edges to fit over and be welded to an internal core. The internal core is to consist of two slabs of  $\frac{1}{2}$ " thick insulating board held approximately 3" apart by means of an internal steel frame with horizontal steel studding approximately 15" on center. The insulation board of this core to be fastened mechanically by use of cleats on 18" centers projecting from the horizontal steel stud.

The entire core is to be cemented under 100 lb. pressure per square foot to the two outside sheets of steel and at the same time to be welded to the internal steel frame around the entire perimeter of the panel on both faces. The edge of the entire perimeter of the insulation board is to fit into a steel groove thus formed by the above operation to prevent peeling of the board from the steel at the edges.

This entire unit to remain under pressure for 48 hours to insure a finished surface of flatness free of all waves, buckles and heat distortions.

Glass openings to be provided in the upper panels for either single or double glazing as indicated in the elevation.

**DOORS**—All doors shall be made of the flush design with 5" wide stiles and flush panels. All doors to be heavily reinforced with  $\frac{3}{16}$ " thick x 1 $\frac{1}{2}$ " wide plates securely welded in place for hinges, locks and door checks. The standard swing door with frame to fit a 42" wide section and be approximately 3'x7'. Glass to be held in place on all four sides with mouldings without the use of screws.

**TRANSOMS**—To be center pivoted and operated by means of a concealed transom operator, operating handle to be conveniently located, etc.

**BASE**—The base shall be 6" high of flat sanitary design and run continuous along the entire bottom of both sides of the partition without the use of plinth blocks at the pilaster point where panels are joined. This base to be attached to clips which fasten to the bottom of the panels without the use of screws. Also to have vertical adjustment to take care of the unevenness of floors. This base to be of the removable type to provide quick access to continuous wiring space below partition panels.

**CORNICE**—Shall run continuous over the top of the entire layout of partition. Same shall have an internal structure of two generally channel shaped sections welded back to back so as to provide maximum horizontal rigidity and continuous unobstructed wire raceway on each side of the partition. The ornamental trim of a removable type is to be snapped on individually over the wire raceway to provide a finished appearance.

**WALL FILLERS**—Shall be adjustable and provided at each point where the partitions attach to a column, pilaster or wall. They shall be constructed 3" thick and insulated. Same to telescope into a channel fastened to the wall. All raw steel edges and wall fastenings to be concealed.

**FLUSH PILASTER CAP**—To be flat ornamental inlay design. The surface of same to be flush with face of panels.

**FLOOR CONNECTIONS**—Shall be concealed by the base and fit below each flush pilaster cap. They shall be fastened to the floor with 1 $\frac{3}{4}$ " long screws through a steel pressure pad to distribute weight of partition and keep from cutting the mastic, wood or linoleum floor. They shall also be provided with vertical threaded studs and leveling wheels on which the panels shall set and be leveled, to take care of floor irregularities.

**CORNICE CONNECTIONS**—The cornice shall be tied to the posts by means of a cross bar that "shoulders" under a clip provided at the top of the panels and connects to the cornice with a  $\frac{3}{16}$ " diameter hook bolt that fits over a split key wedge in the cornice for drawing the cornice down tight on the panels. All wedges must be split open. No bolts, screws or nuts to be used.

**Panel Connections**—The panels proper to be connected by means of a special design friction clip allowing ample space between panels for concealment of electric wires, switches, etc. This clip shall be so designed as to take the post cap and hold tightly in place by means of a snap on friction clip which is



# A MILLS METAL PARTITION FOR EVERY PURPOSE

part thereof and shall be designed so it can be placed at any point in height of the panel.

**CEILING HEIGHT PARTITIONS**—Where partitions are to extend to the ceiling the space from the top of the cornice to the ceiling is to be filled with double mineral board filler with neat connections at ceiling and walls. Mineral board to be applied over studs set 24" on center. This filler board to be painted to

match ceiling by painting contractor. Joints to be buttered with compound used for that purpose and covered with perforated zinc tape to make joints invisible and prevent cracking.

**FINISH**—All partitions, doors and miscellaneous parts are to be thoroughly cleaned free from oil and given one coat of rust retarding primer and thereafter two coats of flat lacquer, each coat applied separately. Colors to be as selected.

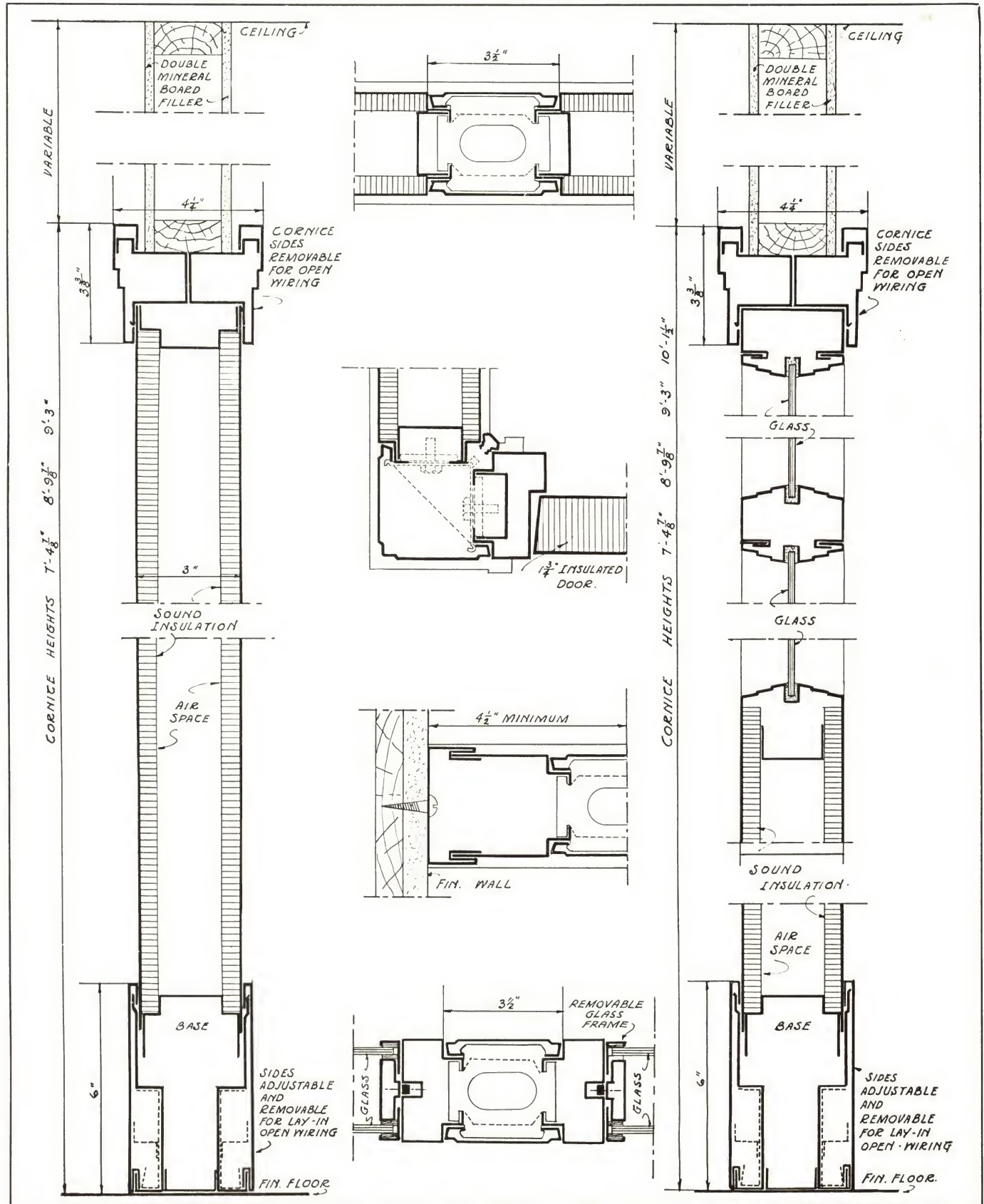






Fig. 455 Typical installation of MILLS SINGLINE FLUSH Partitions

## MILLS SINGLINE FLUSH PARTITIONS

Mills *SINGLINE* Flush Partition is the closest approach to plaster in modern interchangeable walls of steel. It is a wall made of standard panels joined with a single vertical line—no pilaster—but at the same time easily taken down—reerected or rearranged without loss of material or serious inconvenience.

*SINGLINE* panels are built in standard width and heights, over a steel reinforced sound deadening core, assuring permanent flatness.

Cornice or picture mold is continuous and is quickly and easily removed for access to a “lay-in” wiring raceway.

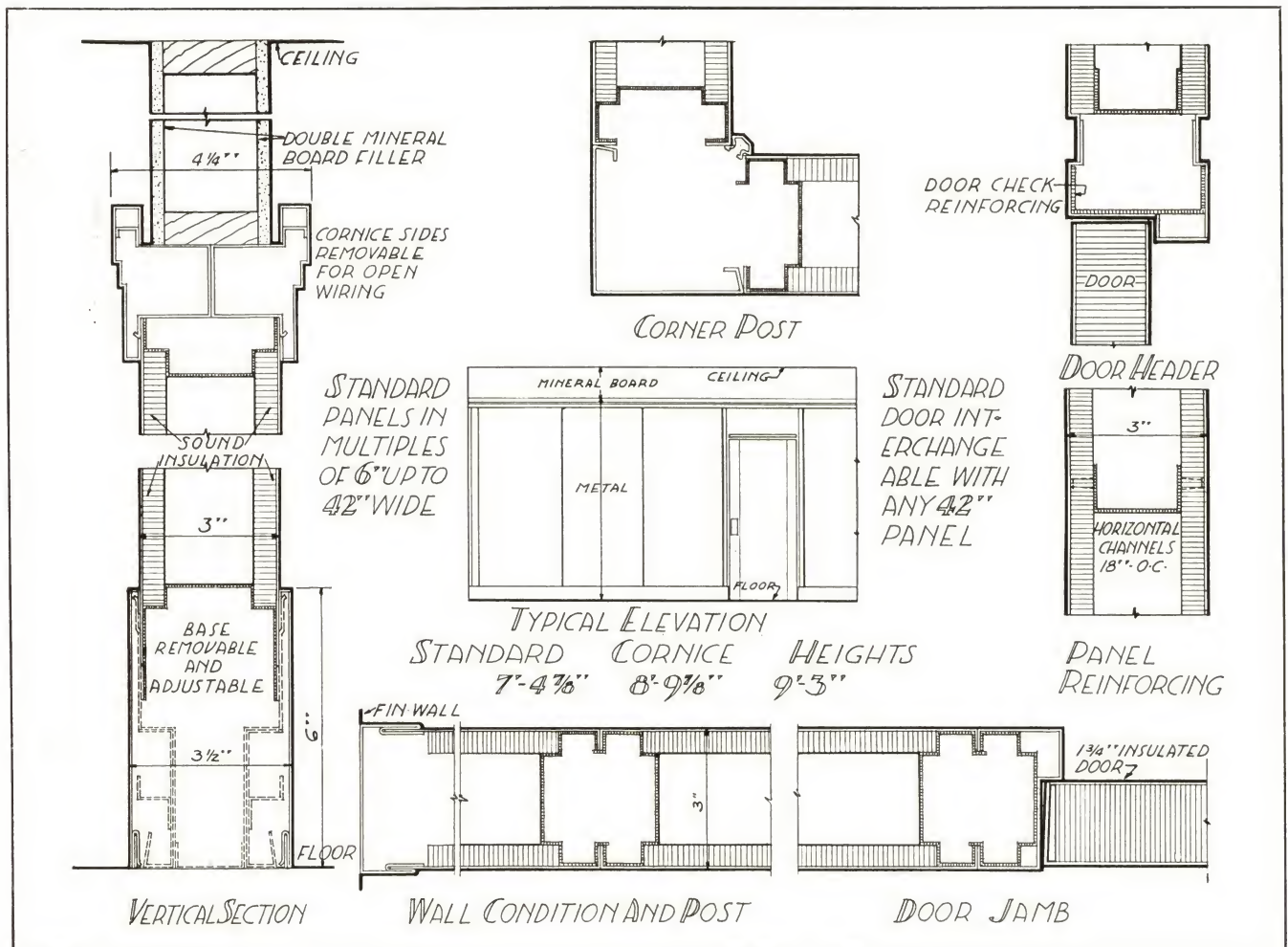
Although continuous base is automatically adaptable to hug tightly to bare floors, linoleum or carpet, it is also easily removable from either side separately for “lay-in” wiring.

Mills *SINGLINE* Flush Partitions are highly sound retarding and can be made practically sound proof.

This partition is recommended for rigid interchangeable walls without glass.

They can be furnished with glass, either single or double glazed. *SINGLINE* Flush Partitions are furnished in harmonizing plain color or paneled in perfect wood reproductions.

Dia. VII. Details: Mills *SINGLINE* Partitions





# MILLS EXECUTIVE PARTITIONS

Rigidity, permanent appearance, beauty, low cost, easy erection and high salvage for office rearrangement have won great favor for Mills *EXECUTIVE* Partitions from coast to coast.

Lower panels of Mills *EXECUTIVE* Partitions are fabricated from two sheets of high grade furniture steel, insulated with suitable sound deadening material.

Upper sections may be of similar construction or of glass—glass moldings being used which will accommodate any glass of ordinary thickness without requiring the use of screws or other exposed fasteners. Floor channels are anchored tightly to the floor.

The inside structural cornice and ornamental outside cornice are both secured tightly to each post with rigid hook bolts.

Pilaster plinths are beautifully designed and are easily removed for "fish-wiring" the base. All horizontal and vertical sections are molded for additional strength.

Mills *EXECUTIVE* Partitions are available in multiple widths of 5 inches for standard cornice heights. Door sec-

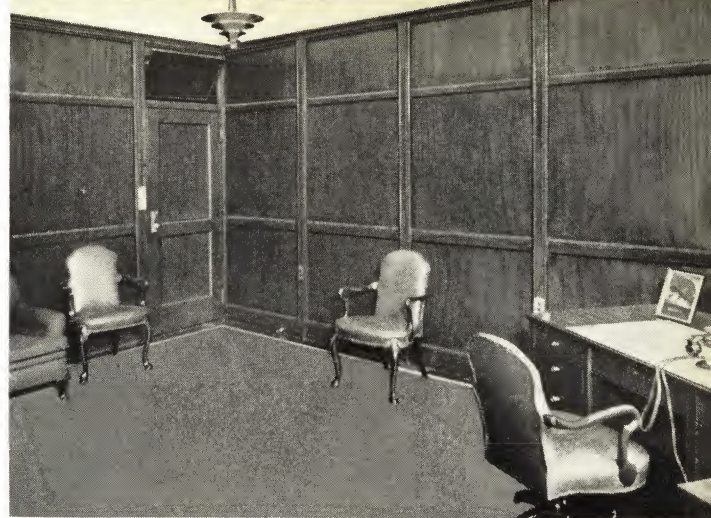
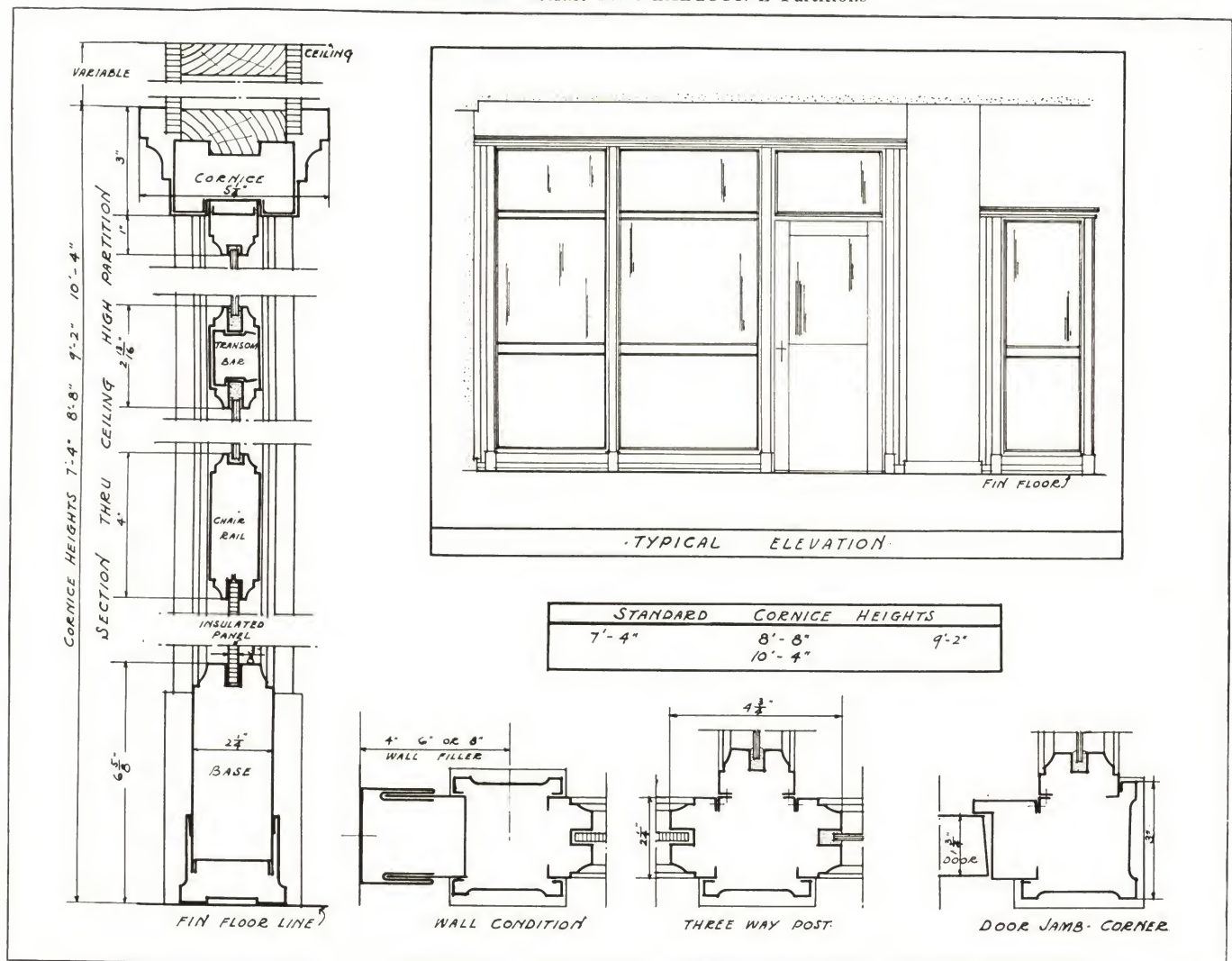


Fig. 206. Office Built Entirely of Standard Units—Mills *EXECUTIVE* Partitions

tions are interchangeable with 40 inch panel sections. Panels are also interchangeable, a 20 inch and 30 inch for a 50 inch, etc., to permit of any desired arrangement or rearrangement.

Panels, transoms, doors, grilles and wickets are standardized. Standard units are furnished in flat finishes to harmonize with any color scheme.

Dia. VIII. Details: Mills *EXECUTIVE* Partitions





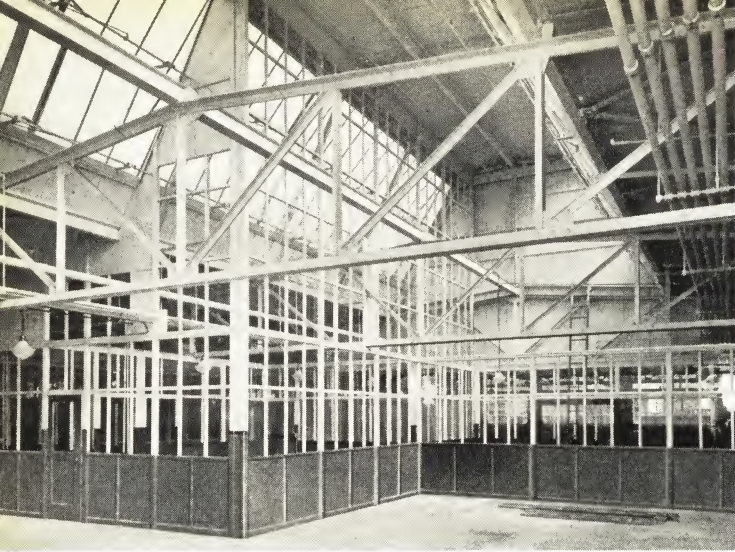


Fig. 185. Mills **COMMERCIAL** Partition—Extreme Height with Strength and Rigidity.

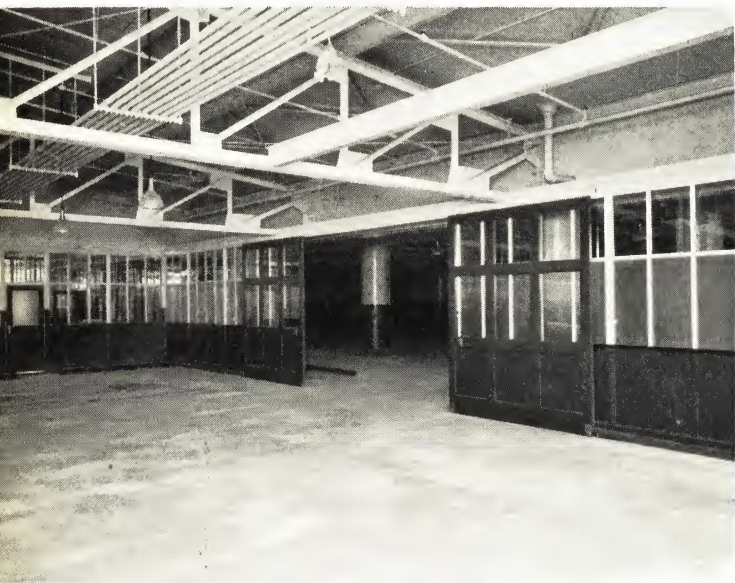
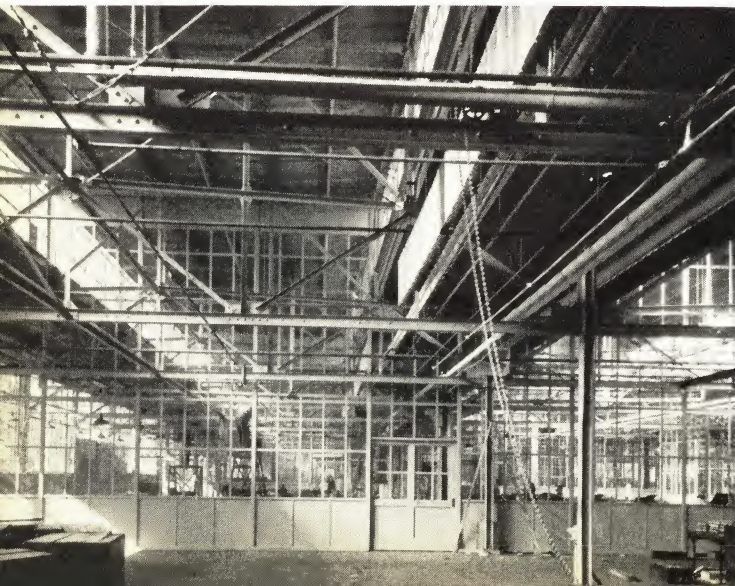


Fig. 183. Mills **COMMERCIAL** Partition—Steel and Glass Where Light Is at a Premium.

Fig. 159. Mills **COMMERCIAL** Partition—Minimum Maintenance with Ruggedness for Hard Usage.



## MILLS COMMERCIAL PARTITIONS

The adaptability of Mills Metal Partitions is practically unlimited. Made in standard size interchangeable units of 20, 40, 60, 80 and 100 in. Two 40's will exactly replace one 80; a 60 and a 40 will exactly replace one 100, and so on. A standard door is interchangeable with any 40-in. unit.

As a result we have a straight line production proposition, the product being manufactured like any standard commodity and shipped from the factory to the job just like so many bricks ready to use.

On the job, erection is easy and simple. Every piece is manufactured precisely to fit with its companion piece. It is rigidly bolted to the others and the erection completed in a remarkably short time.

All this means extreme economy. Standardized production always means economy. We are large producers and this contributes to economy. Shipped to the job ready to erect means a running start for the erectors.

When office or factory department changes are required there is nothing to tear down and haul out in a wheelbarrow. Nothing new to buy. Any ordinary workman can quickly disassemble the partitions and reassemble them in any position required.

Economy now. Economy every year.

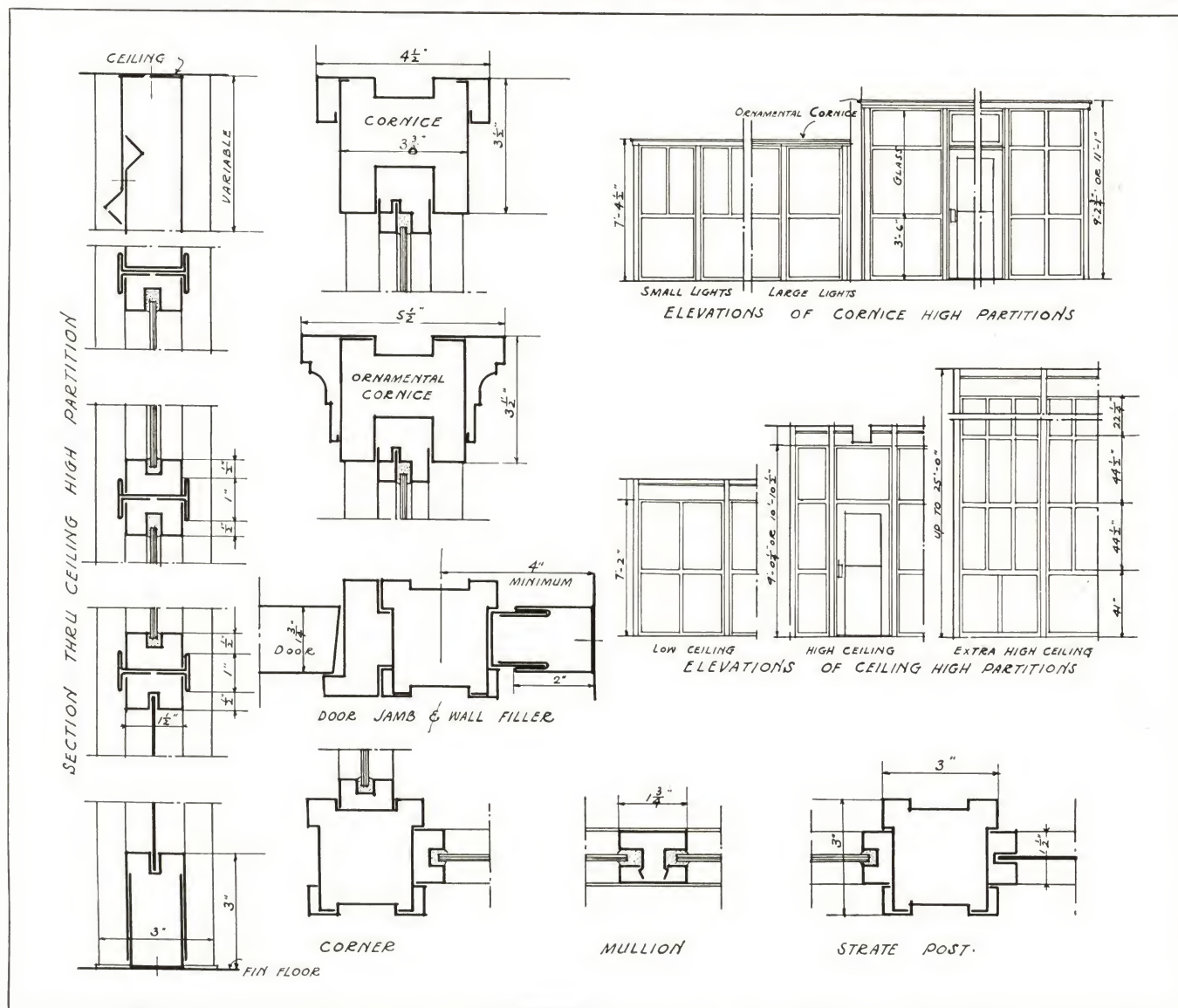
A Mills Metal representative in every principal city, or the Home Office, is ready to give you a complete price including erection and glazing.

## FEATURES OF ECONOMY AND DURABILITY

1. The difference in height between the ceiling and the maximum height obtainable by the use of standard units is filled with a two-piece filler, and this filler is adjustable so that it will fit tight against uneven ceilings. Fillers of various heights are carried in stock.
2. **DOUBLE ADJUSTABLE WALL FILLER.** If standard panels do not exactly fill the required space, the difference is taken up between the last post and the wall with double fillers—stronger, neater and adjustable, thereby saving considerable erection time. We recommend double fillers; however, single fillers can be furnished at a reduced cost.
3. **ADAPTABILITY OF MILLS METAL COMMERCIAL PARTITIONS.** Practically any desired arrangement can be had in panel construction of this partition. Glass, wire mesh, ply-metal, grills, ventilators can replace standard units as desired.
4. All glazing is very simply done by merely setting the glass in the proper panel and snapping on a removable cap after the glass is set. The cap is removable from one side of the partition only.
5. **HOLLOW METAL DOOR FRAME.** Instead of an angle door strike with two right angle bends, the Mills Metal frame has **EIGHT** angle bends. This means greater strength, less noise, and the door rests always in place. The door frame is unusually heavy in construction and is interchangeable with any 40-in. section. A standard door is 35 x 83 in. and the top of the center rail is 42 in. off the floor corresponding with the panel height.
6. **THE SPECIAL TELESCOPIC FLOOR CHANNEL** and bottom panel rail provides for an adjustment up to 2½ in. so that the partition adheres tightly to the most uneven floors. This section also provides a raceway for electric wires and cables. The bottom of the post is punched to permit wires to extend straight across the run of partition.
7. **STEEL and GLASS PANELS** are made easily interchangeable by means of an intermediate rail connection.
8. **THE INTERMEDIATE RAIL OF I-BEAM SECTION** adds both in strength and appearance. Partitions without this intermediate rail often fail in the wear and tear of shop practice.
9. **OUR DOOR HEADER** is so constructed as to permit easy and quick attachment of door checks, transom controls, etc., and to permit horizontal wiring over the door space. The cornice is of rigid two-piece construction.



## A MILLS METAL PARTITION FOR EVERY PURPOSE



Dia. IX. Details of Mills COMMERCIAL Partitions

## SPECIFICATIONS

Partitions shall be built by the assembly of standard units of panels, posts, chair rails, transom bars, and sash. The lower panel shall be approximately 42 in. high and either glass or steel units above the lower panels which shall be in standard units of either 42½ in. or 20⅝ in. high. With this combination any required ceiling height can be accommodated.

All units shall be built in multiple widths of 10 in. and built so that two 40s, a 50 in. and a 30 in., or four 20's make an 80 in., etc. 40-in. units shall be interchangeable with standard doors.

Steel panels and glass frames shall be kept rigid by means of an interlocking I-section running between posts.

In ceiling height partitions, posts shall run from floor to ceiling and shall be paneled on all four sides, and shall be so designed that a run of partition may be extended in any direction from any post.

Panels and sash shall be rigidly attached to the post. Post caps shall be fastened to posts without the use of screws or any exposed fastenings.

Where cornice height partitions are required they shall be

finished at the top with a two-piece box cornice.

Cornice base, and post shall be unobstructed to provide for and make easy wiring.

Where standard units do not exactly fill the space, double fillers are to be used at the ends of the run.

Units shall be built to accommodate any ordinary thickness of glass and permit easy glazing by removing only the stops on the muntin bars.

Glass shall be run to within 18 in. of the ceiling where adjustable metal filler plates shall be provided to fill the balance of the opening.

Standard color is olive green—other colors as specified.

Hardware: Doors shall be provided with two 4½ x 4½ in. loose pin ball bearing butts and shall be punched to accommodate any one of five styles of Yale and Towne Locks, ranging from an ordinary bitt key lock to a high grade cylinder lock.

Door checks: LCN standard—Yale and Towne optional.

Finish: Baur-Barff (dead black), or polished bronze.

Glass as specified.





Fig. 541-A. A New, Quality Toilet Compartment Engineered by Mills.

## MILLS MARBLMETAL TOILET COMPARTMENT

THE MILLS COMPANY is setting a new standard in the metal compartment field, we offer MILLS MARBLMETAL, THE QUALITY LINE. A line carefully planned, correctly engineered and manufactured with painstaking attention to every small detail not commonly given to a product in present day production methods. In MILLS MARBLMETAL you get CUSTOM BUILT partitions under standard specifications for YOUR PROTECTION.

Building owners, realizing the need for modernization, individuality and greater sanitation with which to hold present tenants and to secure new tenants, have been casting about for new and different, yet durable and economical restroom accessories. Mills MARBLMETAL is the solution to this pressing need.

In this product, as in our other compartments, we have used high grade stretcher leveled steel formed and assembled to provide great strength and longevity. In this our de luxe, compartment line, we have taken careful precautions to provide a finish tested and proved to be long lasting and easy to keep clean and sanitary. As in our other widely accepted lines, we use a finish highly resistant to odors and stains.

A notable feature of this outstanding partition, the units are designed to attach to the wall and floor so that they are RIGIDLY braced WITHOUT THE USE OF THE CUSTOMARY HEADRAIL, thus giving your toilet room a more PLEASING APPEARANCE.

This QUALITY product is especially recommended for MONUMENTAL TYPE buildings, for clubs, for hotels and institutions.

THE MILLS MARBLMETAL COMPARTMENTS ARE equipped with our high quality modernistic hardware. Hardware built for hard usage as well as beauty of shape and design. Of a specified design to present a minimum of exposed fastenings and projections making the compartments easier to clean and to stay clean and dust free longer.

With the Mills top and bottom hinge no oiling or attention is necessary, assuring long life at no expense. The lower gravity type hinge may be adjusted to hold the compartment door at any desired angle.

All floor fittings are of high grade cast brass and heavily nickle plated. All are 3" high and solidly anchored to the floor with two concealed bolts spaced apart and attached to the front panel of the unit with two bolts spaced apart.

All fastenings are of the new recessed head tamper proof type which cannot be removed without a special tool.

All panels and doors are given a rust resisting primer coat and baked. A Finish coat is then applied and baked to a hard enamel-like surface.

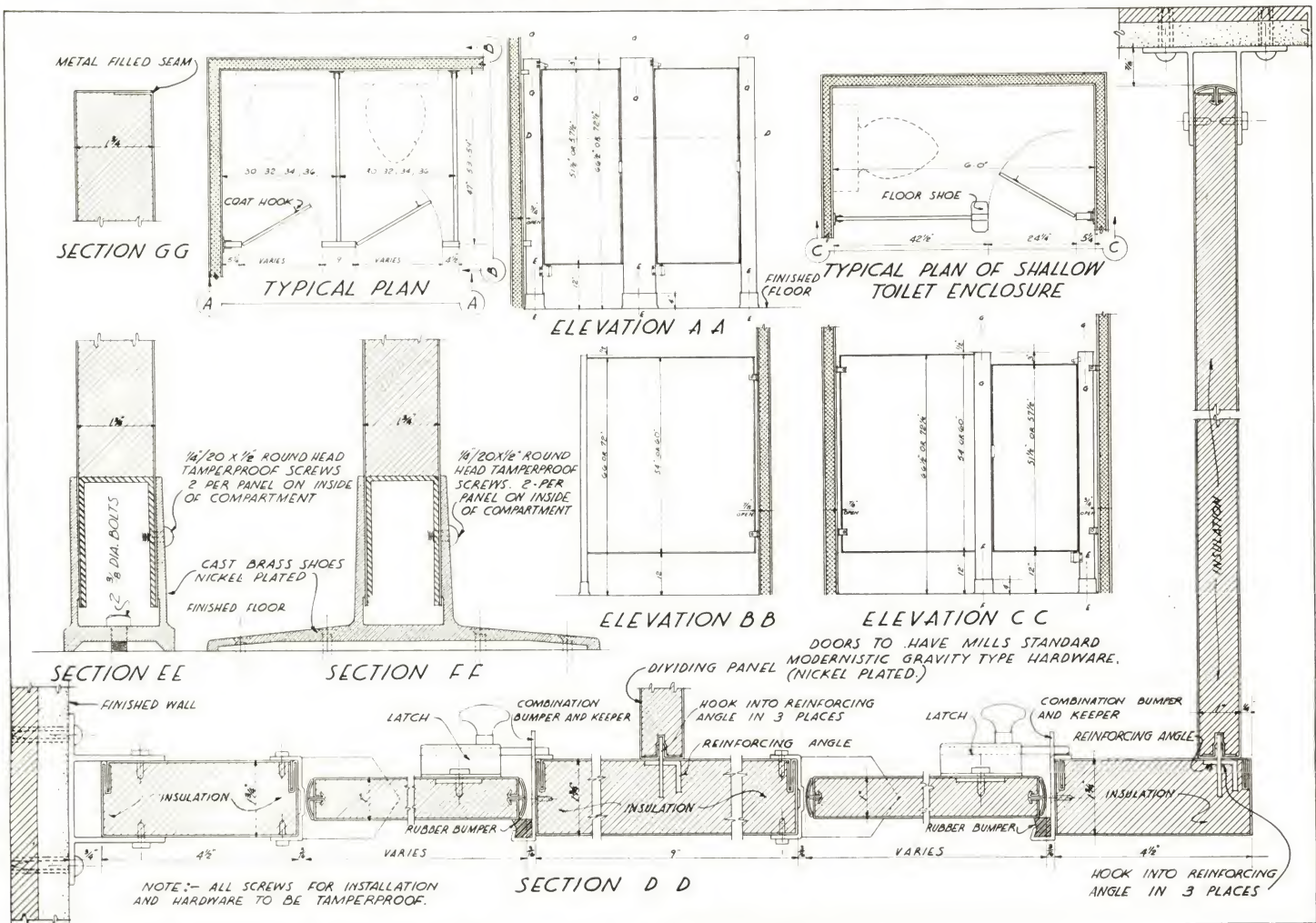
MILLS MARBLMETAL TOILET COMPARTMENTS can be furnished in a wide variation of color to match any color scheme in your toilet rooms or any color specified.

Fig. 541-B. MARBLMETAL—Mills New Development of the Modern Sanitary Partition.





## A MILLS METAL PARTITION FOR EVERY PURPOSE



Dia. X. Details of Mills MARBLMETAL Partitions

## SPECIFICATIONS FOR MILLS MARBLMETAL TOILET COMPARTMENTS

**GENERAL**—The Toilet Compartments shall be MARBLMETAL as manufactured by THE MILLS COMPANY, 965 Wayside Road, Cleveland, Ohio. THERE SHALL BE NO POSTS OR HEAD-RAIL.

**DIVIDING PARTITIONS**—Shall be 1 in. thick made of two sheets of 22-gauge stretcher leveled furniture stock steel spaced and insulated with a laminated fibre filler cemented to inner surfaces with a waterproof rust-resisting binder. To assure uniform adhesion all panels shall stand under pressure for 24 hours. Edges of panels shall be bound and interlocked with rolled steel moulding welded at all corners.

**DOORS**—Where shown on plans shall be 1 in. thick and of same design and construction as specified for dividing partitions mentioned above. All doors to be reinforced for hardware, rigid and free of wind. Top of doors to finish 3 in. below top of front panels.

**FRONT PANELS**—Shall be 1 3/4 in. thick made of two sheets of 20-gauge stretcher leveled furniture stock steel spaced and insulated with a laminated fibre filler cemented to inner surfaces with a waterproof rust-resisting binder. To assure uniform adhesion, all fronts shall stand under pressure for 24 hours. Front panels shall be made of interlock construction with no seam showing on outside face of panel. Top edge shall be metal filled and filed smooth to insure a clear-cut workmanlike finish. Rear of panel shall have concealed reinforcing for dividing panel attachments (the dividing panel is attached to the front panel by 3 concealed hooks that draw the dividing panel tight to front panel). Bottom of front panel shall be heavily reinforced to receive shoe fitting.

**HARDWARE**—To be Mills Company standard, consisting of Universal gravity bottom hinge, covered top hinge, slide bar latch, bumper, rubber tipped coat hook. All to be brass, nickel plated.

**BOTTOM HINGE** shall be of gravity type operating with a ball-bearing roller on a hardened steel cam with pintle extend-

ing into door reinforcing. Cam shall be adjustable to permit door to rest at any desired angle. Entire bottom hinge to be enclosed with a cover of modern design in keeping with the architectural appearance of the compartments.

**TOP HINGE** shall have pin completely enclosed with a cover of modern design and pin shall extend into door reinforcing without the use of exposed saddle on door. Both top and bottom hinge pins to operate in graphite impregnated fibre bushings.

**LATCHES** to be of slide bar type with anti-rattle springs and attached securely to face of door over a concealed reinforcing plate.

**BUMPERS** shall be 3 in. long rubber lined and fastened securely to face of front panel. Bumper to have keeper for slide latch as part of same.

**COAT HOOKS** shall be 4 1/2 in. long with rubber tip securely fastened to concealed reinforcing on inside face of the door. Bottom of coat hook to carry a bulge so as not to tear through clothes.

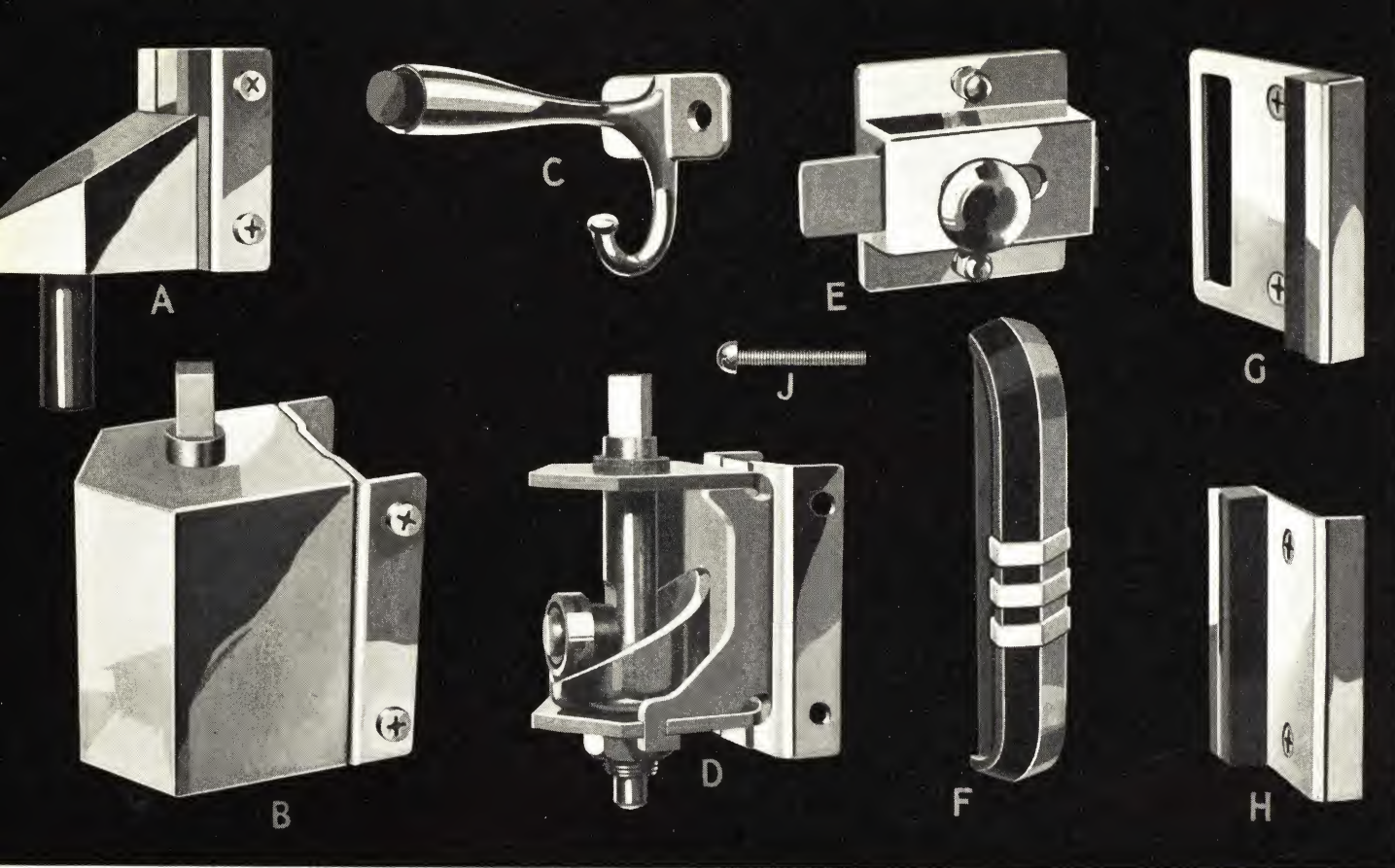
**FLOOR CONNECTIONS**—Floor fittings shall be of heavy cast brass nickel plated 4 in. high and bolted securely to the floor in two concealed places with 3/8-in. diameter bolts spaced apart. Bottom of front panel is bolted to shoe from inside of compartment with 2 bolts spaced apart.

**WALL CONNECTIONS**—All panels (front and dividing) shall be fastened to masonry walls with 2 cast stirrup brackets each 6" from top and bottom of panels. Stirrup brackets shall be designed to hold panels away from wall 3/4 in.

**SCREW CONNECTIONS**—All fastenings to masonry walls or hardware that are exposed are to be tamper-proof so they cannot be removed without the use of a special design tool.

**FINISH**—All material shall be completely finished at the factory. Material shall be first thoroughly cleaned and given a heavy coat of rust-resisting primer inside and out. After baking two finish coats shall be applied separately. Standard colors are olive green or gray. Other colors available as specified.





## MILLS TOILET COMPARTMENT HARDWARE . . .

### Modern in Design and Styling

A partition is no better than its hardware . . . and certainly no more sightly. Mills Hardware meets the standard of modern design . . . it combines beauty of shape with efficiency in use.

All Mills fastenings are of the recessed head tamper-proof type. THE MILLS COMPANY, realizing the need for protection against pranksters, etc. especially in schools and other institutions, now equip all hardware with this new fastening.

**A** The upper hinge spindle is locked rigidly in place and is attractively housed.

**B** The lower hinge is entirely enclosed and is styled to harmonize with the other hardware. Bracket can be furnished to fit different thicknesses of marble.

**C** Coat hangers are fitted with rubber door bumpers and shaped to prevent tearing apparel.

**D** Lower hinge with cover removed to show ball-bearing roller mounted on a hardened steel cam which can be adjusted to stop the door at any desired angle.

**E** Latches of sliding bar type, fitted with anti-rattle springs and through-bolted. Round recessed head bolt "J" is used from the inside when doors are out-swinging, holding the door handle tightly to the door without exposed fastenings.

**F** Door handles are modern in design . . . made of non-breakable bakelite, chromium trimmed.

**G** Door bumper for in-swinging doors with keeper and rubber cushion.

**H** Bumper used with out-swinging doors.



# MILLS METAL FLUSH TOILET PARTITIONS

## FEATURES

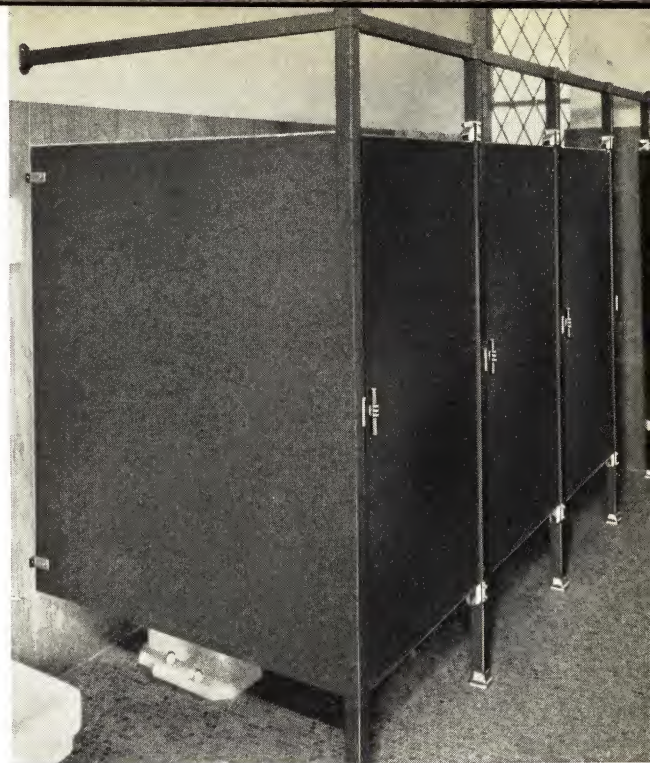
Mills *METAL FLUSH* Partitions for toilets, showers, cubicles and dressing rooms are the product of wide experience and research. In reality, a splendid quality product which embraces all of the fine features of sanitation, ease of cleaning and flush, attractive appearance. Double cold rolled furniture steel sheets are used, insulated between securely welded seams and posts. The Mills *METAL FLUSH* odor-proof partition defies comparison.

## SIZE

*METAL FLUSH* panels are in multiples of 6 inches in depth and either 54 or 60 inch heights. However, we will furnish greater height partitions upon request. Doors are in multiples of 2 inches in width and of heights to correspond with the panels.

## CONSTRUCTION AND FINISH

*METAL FLUSH* is extremely strong, and consists of two sheets of 20-gauge steel formed at the edges and cemented under pressure to a laminated fibre core. This is bound with an interlocking mould, welded at all four corners and interlocked to each post with concealed hooks. Posts are  $1\frac{3}{4}$  in. square tubing and are welded top and bottom to partition panel. Doors are of the same construction as panels, and are further reinforced for the attractive modernistic hardware. The design of all hardware is in complete harmony. *METAL FLUSH* Compartments are available in other non-ferrous metals, such

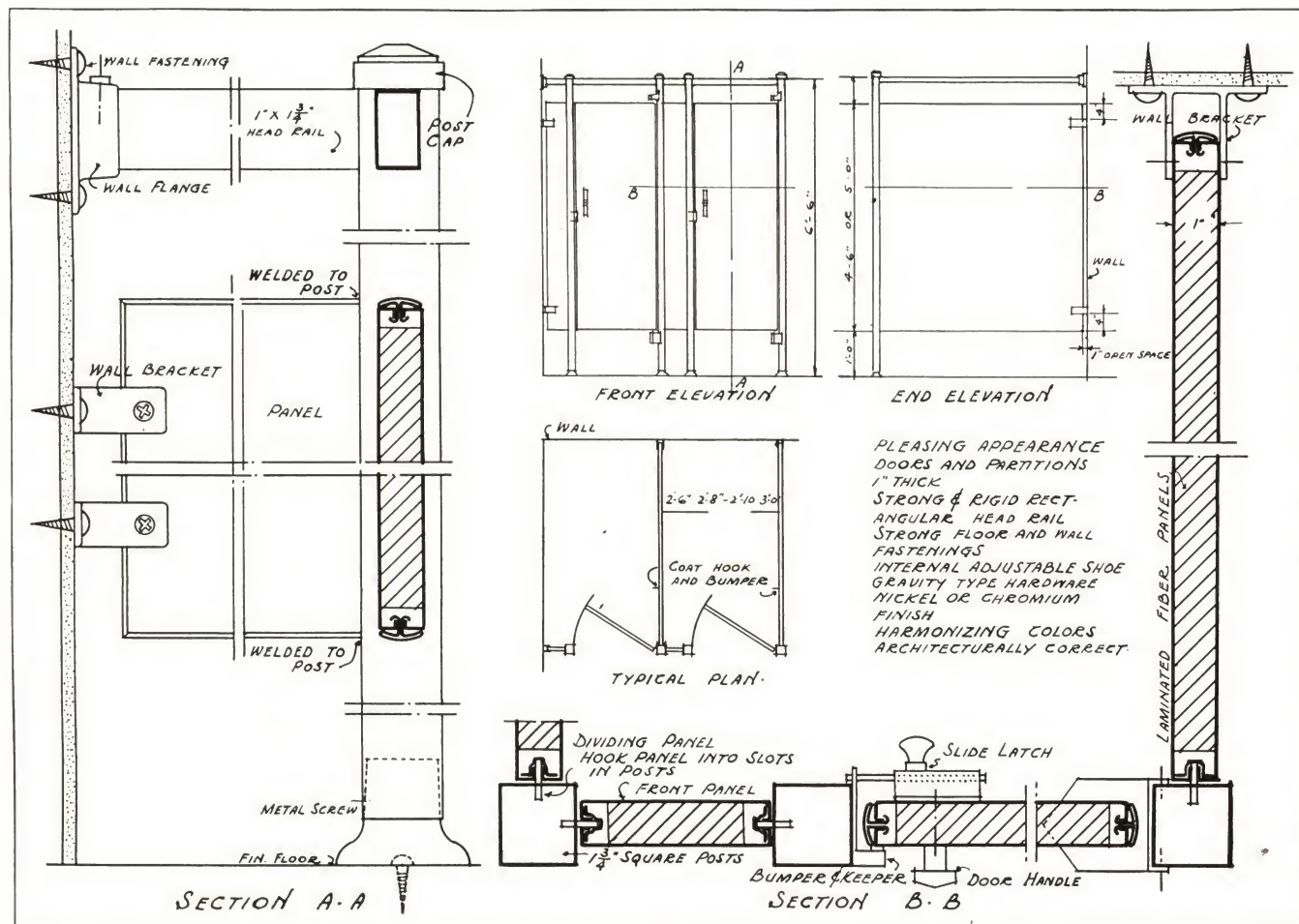


Typical Installation—Mills *METAL FLUSH* Partitions

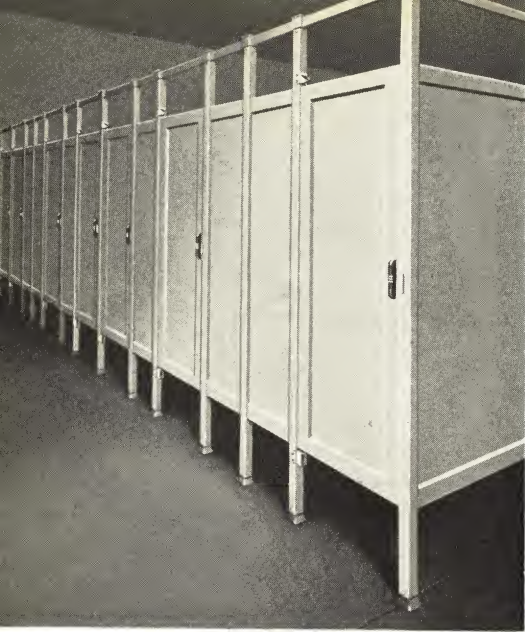
as aluminum, at increased cost. This material is also manufactured to special specifications for Federal work.

Furnished in standard Olive Green or Gray baked enamel. Other colors at slight additional cost.

Dia. XI. Details of Mills *METAL FLUSH* Partitions







## MILLS CHALLENGER TOILET COMPARTMENTS—PANEL TYPE

Here is a newly perfected design for toilet compartments, dressing rooms and similar uses, which truly challenges comparison . . . in its attractiveness of appearance, in the perfection of every detail of its engineering, in the completeness with which it meets every sanitary requirement, in its adaptability to wide variations of space and arrangement, and in its sturdiness of construction. It successfully challenges comparison on a basis of desirability, efficiency and utility . . . added to this, its simplicity and ease of installation, and its freedom from maintenance expense stamp it as incomparable in dollar value.

Partitions are securely braced by a  $1 \times 1\frac{3}{4}$  in. headrail running *THROUGH* the post adding structural strength and making a rigid installation. A knock-out type post is furnished topped with an ornamental cap adding to the ap-

pearance of the compartment. A patented type *TENSION AND COMPRESSION* clip grips the headrail securely in place.

Posts are steel tubing  $1\frac{3}{4}$  in. square . . . sturdy with flat sanitary surfaces.

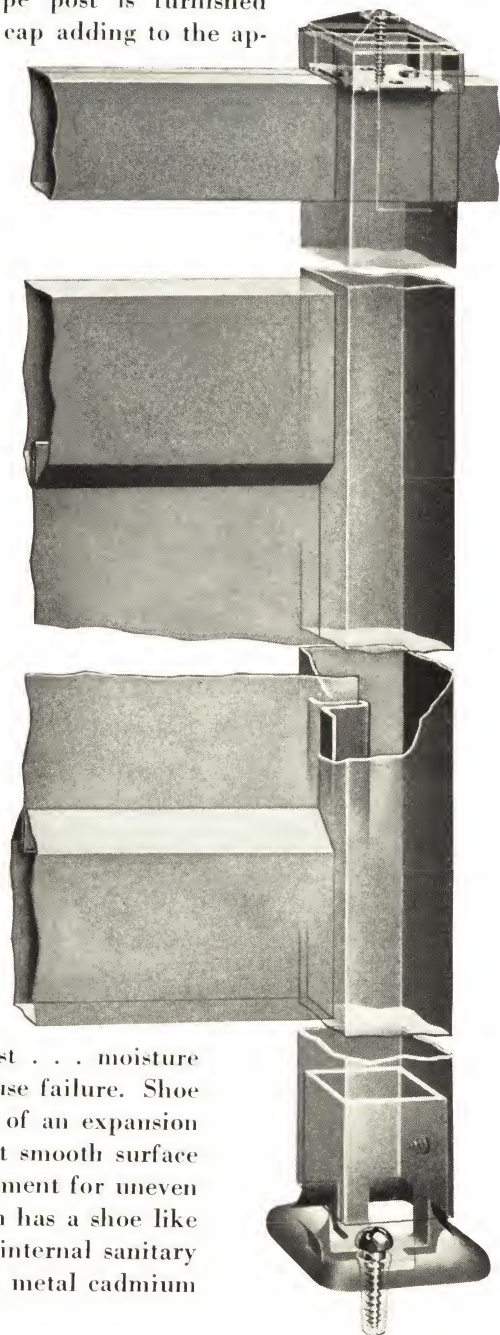
Panels are held rigidly to the  $1\frac{3}{4}$  in. square perfectly smooth sanitary post by extending the panel sheet into the post . . . welding it into a stensor locking strip . . . wedging the top and bottom rails tightly between the posts—automatically locking the panel sheet into rigid tension eliminating any possibility of rattle or belly. The panel is fabricated with a 3 in. rail at top and bottom, with no open joints to catch dirt.

Panels and doors are fabricated from 16- to 18-gauge furniture steel in strict accordance with Simplified Practice Recommendation R101-29 of the Department of Commerce Bureau of Standards . . . standard in either 54 in. or 60 in. height . . . set 12 in. off the floor, the headrail bracing in all cases being 6 ft. 6 in. off the finished floor.

Panel sheets are locked into the rail rigidly so as to prevent rattling of the panel sheet and assuring a tight solid unit.

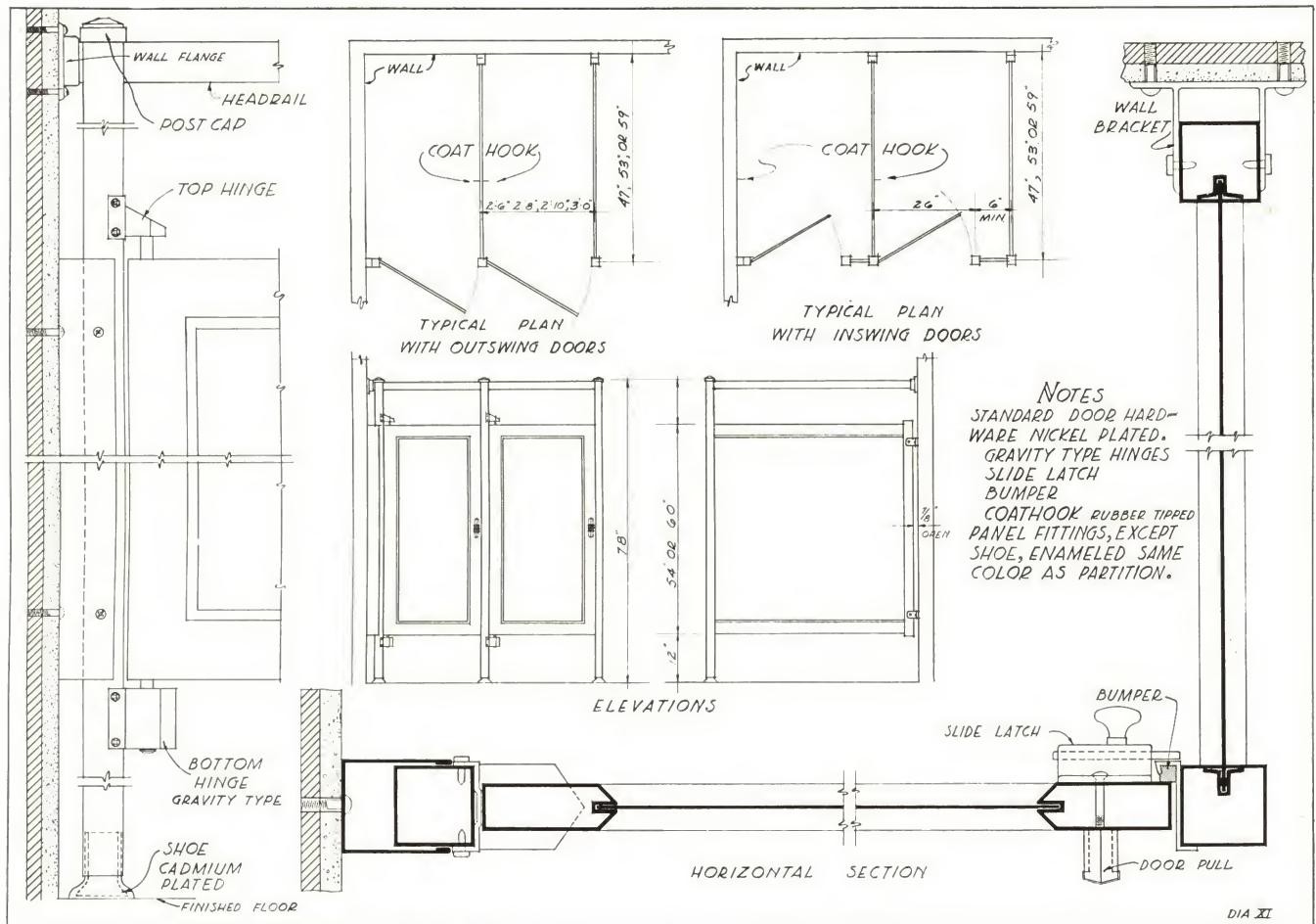
Doors are made with a 3 in. rail reinforced and welded at all corners and carried entirely around the door with a sanitary plain mould.

The shoe fits inside the post . . . moisture positively cannot lodge and cause failure. Shoe attaches to the floor by means of an expansion bolt inside the shoe . . . perfect smooth surface to the floor . . . two-inch adjustment for uneven floors. No other toilet partition has a shoe like this. A valuable feature! The internal sanitary adjustable post shoes are white metal cadmium plated.





## A MILLS METAL PARTITION FOR EVERY PURPOSE



Dia. XII. Details of Mills CHALLENGER Partitions

## DETAILED SPECIFICATIONS (IMPROVED)

**GENERAL**—All toilet partitions and doors, entrance screens and dressing rooms shall be "THE CHALLENGER" panel type construction as manufactured by THE MILLS COMPANY, 965 Wayside Road, Cleveland, Ohio.

**PANELS AND POSTS**—All partition panels shall be made with 3 in. x 1 in. sanitary rail at top and bottom and with 1 3/4 in. square, perfectly smooth, sanitary post front and rear. Panel sheet shall extend into the post and be welded to a tensor locking strip. Top and bottom rails shall be wedged between front and back posts and held in place by welding to hold the panel sheet in tension and eliminating rattle. Front 1 3/4 in. square sanitary post shall extend to the floor approximately 12 in. below the bottom panel rail. Front post shall extend above the top panel rail to the headrail approximately 6 ft. 6 in. from the floor. Rear 1 3/4 in. square sanitary post shall extend just above and below the top and bottom panel rails. Gauges to be in accordance with the recommendations of the U. S. Bureau of Standards, Simplified Practice Recommendations R101-29. In panels 54 in. x 54 in. and larger, panel sheets shall be 16-gauge (.0613). In panels smaller than 54 in. x 54 in. and doors, panel sheets shall be 18-gauge (.0490).

**FITTINGS**—The front posts of panels are to be rigidly secured to the floor by means of an INTERNAL white metal shoe heavily cadmium plated to prevent rusting. Shoe shall permit of adjustment for uneven floors and shall be tightly fastened to the floor without exposed fastenings. Panels shall be attached to the wall by means of two stirrup brackets set approximately 4 in. from the top and bottom of the rear panel post and shall keep the panel approximately 1 in. away from the wall. These brackets shall be fastened to the wall at 2 places and be bolted to the rear panel post. They shall be finished to match the partition.

**HEADRAIL**—Partitions when erected shall be securely braced by a 1 in. x 1 3/4 in. perfectly smooth rectangular tubular headrail. This headrail shall be inserted into or run through the post, which shall be furnished with a four-way knock-out type receptor. A tension and compression type clip shall grip the headrail securely in place. The post shall be topped with slip on post cap fastened with a recessed head screw and finished to match the panels.

**DOORS**—All doors shall be made with 3 in. x 1 in. sanitary rails on all four sides. Rails shall be designed to grip the panel sheet and prevent rattles. Rails shall be mitered and reinforced at all corners and welded into one solid unit. All welds shall be dressed before finish is applied. Doors shall be properly reinforced for hardware.

**HARDWARE**—Doors shall be equipped with brass nickel plated gravity hinges of modern design with concealed hardened ball-bearing roller running on a hardened steel cam. Hinges are to be adjustable to permit doors to rest at any desired angle. Bumper and latch are to be of brass nickel plated. Each outswinging door is to be equipped with a black bakelite pull of modern design inlaid with chrome-plated stripes. Pull is to be through-bolted to the latch. All hardware shall be fastened with recessed head-tamperproof bolts or screws.

**UTILITY SPACE**—Where utility spaces are clearly indicated on the plans to be of metal, they shall be furnished in semi-flush construction of single-sheet design to completely cover the utility space.

**FINISH**—All material shall be thoroughly cleaned of oil and grease primed inside and out with one dip coat baked on. Finish coat shall be green or gray sprayed on and baked separately.



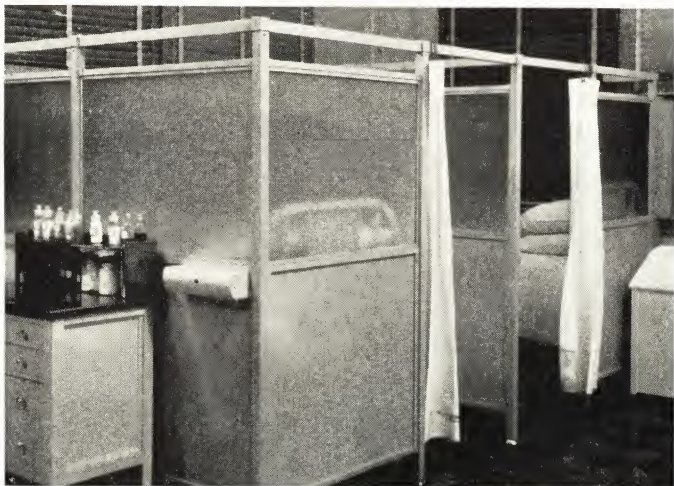


Fig. 370. An installation of Mills Hospital Cubicles in an industrial dispensary



Fig. 347. Portable Type Hospital Screen

## MILLS METAL HOSPITAL CUBICLES

Mills Hospital Cubicles have the same features as the Challenger or Metal Flush Compartments or Flush Pilaster partitions as illustrated in Fig. 466.

Mills Hospital Cubicles are especially designed for hospital ward service and give the ward patient a feeling of privacy and satisfaction so necessary to the welfare of the individual. They are constructed to present a minimum of projections to catch dirt and dust, to permit easy cleaning and to resist odors and stains.

Mills Hospital Cubicles are a definite control of contagion and infection. They are light and permit easy circulation of air and create quiet restful surroundings. They are rigid in construction with or

without headrail, and can be set against the wall or erected free standing, as desired.

In depth, they may be obtained in any multiple of six inches within a minimum of 5 ft. and a maximum size of 10 ft.

These cubicles are exceptionally easy to glaze, it being only necessary to remove the glass stops from either side to set in the glass. The stops are held in place by means of concealed fastenings.

Finished standard in lustrous gray enamel, they aid in the cleanly appearance as well as the actual sanitation of wards and semi-private rooms.

Using Mills Metal Construction, they are as permanent as the building itself, yet easily and quickly installed.

Designed so as to permit easy rearrangement when desired.

Suitable for any size ward, room, hallway or corridor.

Built of standard sections on a quantity production basis that ensures uniformity with minimum costs.

The sections are standard with the metal panels and glass divided as your particular needs may require.

The glass extends above the metal panel to the necessary height and may be either clear, reinforced or translucent as preferred.

Additional privacy may be obtained with curtains along the sides as well as in front.

The services of our Engineering Department are available entirely without obligation in both planning and estimating on the use of Mills Hospital Cubicles.



Fig. 466. Flush Pilaster Type Cubicle



## SPECIFICATIONS FOR MILLS METAL HOSPITAL CUBICLES

### GENERAL

All cubicles and screens shall be "The Challenger" or "Metal Flush" construction as manufactured by THE MILLS COMPANY, 965 Wayside Rd., Cleveland, Ohio.

### POSTS

**Challenger:** Upright posts shall be  $1\frac{3}{4}$  in. square with perfectly flat sanitary sides. Front  $1\frac{3}{4}$  in. square sanitary post shall extend to the floor approximately 12 in. below the bottom panel rail. Rear  $1\frac{3}{4}$  in. square sanitary post shall extend just above and below the top and bottom panel rails. On panels 5 ft. 0 in. in length or longer an intermediate post of identical construction to the front sanitary post shall be built in to maintain rigidity in the cubicles.

**Metal Flush:** Upright post shall be  $1\frac{3}{4}$  in. square with flat sanitary sides and shall be interlocked and welded to panels to give an integral rigid cubicle unit.

### BOTTOM PANEL

**Challenger:** All lower panels shall be made with 3 in. x 1 in. flat sanitary rail at top and bottom. Panel Sheet shall extend into the post and be welded to a Tensor Locking Strip. Top and bottom rails shall be wedged between front and back posts and held in place by welding to hold the panel sheet in tension and eliminating rattle. Gauges to be in accordance with the recommendations of the U. S. Bureau of Standards, Simplified Practice Recommendations R101-29.

**Metal Flush:** All bottom cubicle panels shall be 1 in. thick and shall be made of two sheets of 22-gauge furniture steel spaced and insulated with a laminated corrugated fibre filler, cemented to their inner surfaces with a rust-resisting binder. To assure uniform adhesion, all panels shall stand under pressure 24 hours.

### TOP PANELS

Top panel to be of glass, either D.S.A. Polished Plate, Polished Plate Wire, or Rough Wire as selected. Glass stops to be of steel moulding and held in place by means of concealed fastenings.

### FITTINGS

All posts extending to the floor shall be rigidly secured by means of an INTERNAL white metal shoe heavily Cadmium plated to prevent rusting. Shoe shall permit of adjustment for uneven floors and shall be tightly fastened to the floor without exposed fastenings. Panels shall be attached to the wall by means of two stirrup brackets and shall keep the panel approximately 1 in. away from the wall. These brackets fastened to the wall at two places. All fastenings shall be recessed head temper-proof type.

### HEADRAIL

Cubicles when erected shall be securely braced by a 1 in. x  $1\frac{3}{4}$  in. perfectly rectangular tubular headrail. This headrail shall be inserted into or run through the post which shall be furnished with a four-way knock-out type receptor. A tension and compression type clip shall grip the headrail securely in place. The post shall be topped with slip on post cap fastened with a recessed head screw and finished to match the panels, and returned to the wall at end panels. Where curtains are used, headrail bracing shall act as curtain rod. When panel length is 5 ft. 0 in. or over a headrail shall be furnished from the front post to the wall at each cubicle.

### FINISH

All material shall be thoroughly cleaned and given a heavy coat of rust resisting primer and baked. Two finish coats of high grade enamel green or gray shall be sprayed on and baked separately.

## MILLS ALL-METAL UNIT SHOWERS

### DISTINCTIVE FEATURES OF CONSTRUCTION

The Mills *ALL-METAL* Unit Shower is an absolutely water-tight and leakproof, self-contained unit with its own rustproof receptor. The *ALL-METAL* Shower will not chip, sag or crack due to vibration or settling of the building or from other causes. Mills Showers will not absorb odors . . . they are absolutely sanitary and are easy to keep clean.

### SIZES AND INSTALLATION DETAILS

Standard wall height is 84 in. to extend beyond the usual shower head height. Stock showers are 36x36 in. in cross-section. Showers 30, 32, 34 or 36 in. deep or wide are available in any combination. Corners are of an interlocking water-tight construction. Water pipes leading to the shower head are brought over the top, through the back, or from either side. The 4-in. removable brass drain is secured with water-tight gaskets.

Mills *ALL-METAL* Unit Showers are shipped knocked down—with curtain rod and fasteners—complete with instructions for their erection in minimum space. Specially prepared marble, terrazzo, concrete tile, or waterproof wood floors are not required. An ordinary, un-waterproofed floor furnishes sufficient support.

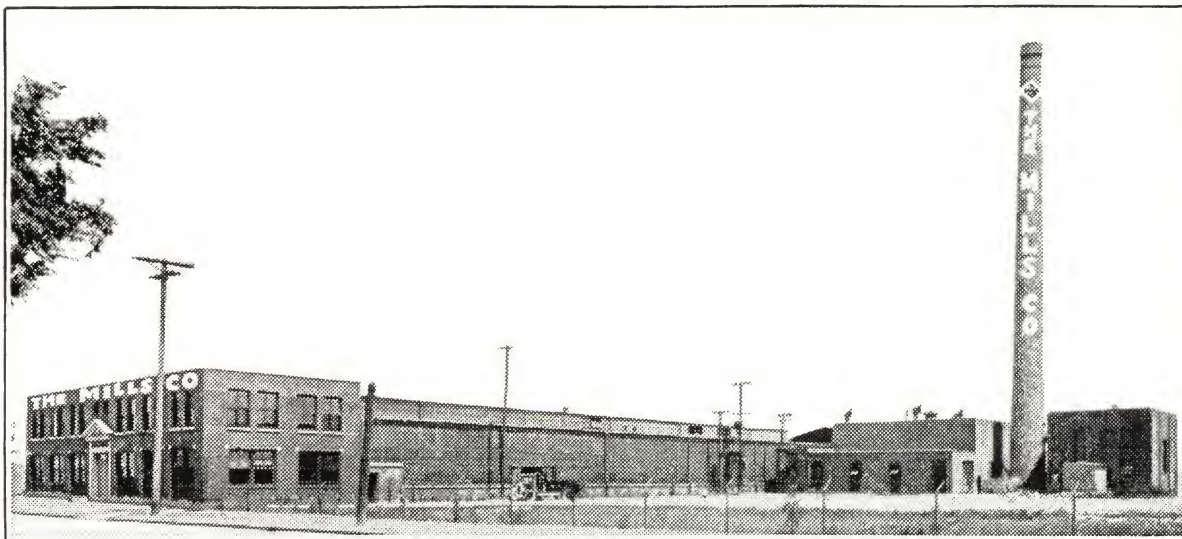
### FINISH

*ALL-METAL* Shower Receptors are cadmium plated by the Udylyte process (Navy Specifications) for permanent rustproofing. Walls are finished in Mills Standard grey or olive green, or in other colors at slight extra cost—also furnished in aluminum or other special metals. Shower head, valve controls, soap dishes and curtains can be furnished, if desired, at slight extra cost.



Fig. 255. Mills All-Metal Unit Shower





Over 50,000 Square Feet of Floor Space Devoted Exclusively to the Production of Metal Partitions

## "A MILLS METAL PARTITION FOR EVERY PURPOSE" REPRESENTATIVES

### ALABAMA

Birmingham: C. S. Caldwell, 1910 First Ave.

### ARIZONA

Phoenix: Steffy Sales Agency, 830 N. Central Ave.

### ARKANSAS

Little Rock: Capitol Steel Co., 329 Gazette Bldg.

### CALIFORNIA

Fresno: Healey & Popovich, 1911 Merced St.  
Huntington Park (Los Angeles): B. L. Wilcox, 2071 Laura St.  
San Francisco: Munthe Equipment Co., 604 Mission St.

### COLORADO

Denver: Ideal Builders Service, 1163 California St.

### CONNECTICUT

Bridgeport: Lindquist Hardware Co., 383 Fairfield Ave.  
Hartford: W. E. Kelsey, 8½ Ford St.

### DELAWARE

See Philadelphia, Pa.

### DISTRICT OF COLUMBIA

Washington: James A. Cassidy, Chandler Bldg., 1427 Eye St.  
Harry Schnabel, 4316 15th St.

### FLORIDA

Jacksonville: George P. Coyle, 418 Park St.  
Miami: Paul E. Shipe, 1750 N. Miami.  
St. Petersburg: E. L. March, 303 Third Ave. N.

### GEORGIA

Atlanta: Luke Seawell, 152 Nassau St. P. O. Box 1353

### IDAHO

Boise: Baxter Foundry and Machine Works, Capital Blvd. P. O. Box 1016.

### ILLINOIS

Chicago: Struck Equipment and Supply Corp., Room 418, 160 N. LaSalle St.  
Peoria: Builders Steel Products Co., 330 Central National Bank Bldg.  
Rockford: Ornamental Iron Division All Steel Welded Truck Corp., 1149 Railroad Ave.

### INDIANA

Fort Wayne: Don White, 2300 Taylor St.  
Indianapolis: John J. Tuite, 841 Architects and Builders Bldg.

### IOWA

Davenport: Builders Service Co., 203 Kresge Bldg.  
Des Moines: Perkins Supply & Fuel Service, 10th and Vine Sts.  
Dubuque: Baumgartner Sales and Service, 973 Main St.  
Waterloo: C. M. Berkley Hardware, 302 W. 4th St.

### KANSAS

Topeka: Ray Anderson, 622 New England Bldg.  
Wichita: Grabendike Engineering Sales Co., P. O. Box 333

### KENTUCKY

Lexington: Faulkner Builders Supply Co., 585 E. 3rd St.  
Louisville: Thomas L. Barret, 712 W. Main St.

### LOUISIANA

New Orleans: J. R. Quaid, 808 Perdido St.  
Shreveport: Davenport and Allen, 503 Giddens Lane Bldg.

### MAINE

See Boston, Mass.

### MARYLAND

Baltimore: Wm. E. Gambrill Co., 213 East St.

### MASSACHUSETTS

Boston: Stel-Wod Engineering Co., Room 508, 88 Broad St.

### MICHIGAN

Detroit: Building Accessories Co., 199 Tennyson Ave.  
Grand Rapids: Michigan Builders Material & Supply Co., 118½ Pearl St. N. W.

### MINNESOTA

Duluth: Fred J. Helmers, 315 Glencoe Bldg.  
St. Paul: R. E. Stanton & Co., 786 Eustis St.

### MISSISSIPPI

Gulfport: Hugh Bourgeois, 500 Hewes Bldg.

### MISSOURI

Kansas City: K-M Supply Company, 119-123 W. 8th St.  
St. Louis: Constructor Specialties Co., 2234 Olive St.

### MONTANA

Butte: Archie W. Adams, 618 Metals Bank Bldg.

### NEBRASKA

Omaha: Kraus & Trustin, 636 Paxton Bldg., 16th and Farnam Sts.

### NEVADA

See Salt Lake City, Utah.

### NEW HAMPSHIRE

See Boston, Mass.

### NEW JERSEY

See New York, Upper section.  
See Philadelphia, lower section.

### NEW MEXICO

Albuquerque: Rio Grande Steel Products Co., P. O. Box 477.

### NEW YORK

Albany: United Roofing Co., 425 Orange St.  
Buffalo: James M. Hawkins Co., 320 Jackson Bldg.  
New York: Mills Metal Partition Co., 11 West 42nd St.  
Rochester: E. W. Maurer, 703 Temple Bldg.  
Syracuse: F. J. Ludwick, 1126 Chimes Bldg.

### NORTH CAROLINA

Asheville: S. R. Goldman, Public Service Bldg.  
Chapel Hill: S. H. Basnight, P. O. Box 943, 104 E. Franklin.  
Charlotte: R. R. Robertson, 1201 Commercial Bank Bldg., P. O. Box 56.

### NORTH DAKOTA

Fargo: Northern School Supply Co., P. O. Box 1571.

### OHIO

Cincinnati: Central Building Products Co., 622 Broadway.  
Cleveland: Mills Sales Co., Plymouth Bldg.  
Columbus: Otto Nehrenst, 766 Euclidean Ave.  
Dayton: A. B. Luther Co., 900 Albany St.  
Portsmouth: Earl C. Hayes & Co., P. O. Box 509.  
Toledo: Jos. P. Kessler Co., 1152 E. Broadway, P. O. Box 83.  
Youngstown: L. D. Sheffield, 144 W. Wood St.

### OKLAHOMA

Tulsa: Building Specialties Co., 421 Philcade Bldg.

### OREGON

Portland: Mercer Steel Co., 838 N. W. 13th St.

### PENNSYLVANIA

Erie: L. R. Maxon, 3 Commerce St.  
Harrisburg: Fred O. Smith, P. O. Box 728.  
Kingston (Scranton): H. A. Dunstan, 365 Osceola St.  
Lock Haven: M. L. Claster and Sons.  
Philadelphia: M. A. Webster, 1600 Arch Street.  
Pittsburgh: James Hood Miller, 1214 Chamber of Commerce Bldg.  
Reading: J. H. Millard, No. 4 So. 20th St.

### RHODE ISLAND

Providence: Stel-Wod Engineering Co., 66 Orange St.

### SOUTH CAROLINA

See Atlanta, Ga.

### SOUTH DAKOTA

Watertown: Walsh Roofing and Supply Co., 208-9 Midland National Life Bldg.

### TENNESSEE

Chattanooga: Commercial Stationery & Supply Co., 737 Cherry St.  
Memphis: Leo F. Magnus, Parkview Hotel Apts.  
Nashville: Kerrigan Ornamental Iron Works, 209 N. 2nd St.

### TEXAS

Amarillo: Forrest R. Barnes, 210 W. 10th St.  
Dallas: Metal Products Co., 406 Linz Bldg.  
El Paso: Neff Stiles Co.  
Houston: Coastal Sales Agency, 523 First National Bank Bldg.  
San Angelo: San Angelo Building Material Co., 808 Western Reserve Life Bldg.  
San Antonio: Wm. S. Seng, 303 Builders Exchange Bldg.

### UTAH

Salt Lake City: Manufacturers Specialties Co., Exchange Bldg.

### VERMONT

See Boston, Mass.

### VIRGINIA

Lynchburg: A. P. Montague, Jr., Peoples Bank Bldg.  
Norfolk: J. S. Jones, 350 Arcade Bldg.  
Richmond: J. S. Archer, Room 511, Atlantic Life Bldg.

### WASHINGTON

Seattle: D. E. Fryer & Co., 1813 7th Ave.

### WEST VIRGINIA

Huntington: Jas. J. Weiler and Sons, 202 Elm St.  
Wheeling: David Tyler, 28th and Chapline St.

### WISCONSIN

Green Bay: Northern Metal & Roofing Co., 1005 Main St.  
Milwaukee: J. R. Petley Co., 759 N. Milwaukee St.

### WYOMING

Casper: Wyoming Bldrs. Supply Co., 653 S. Grant St.

## FOREIGN REPRESENTATIVES

### Palestine

Haifi: Hans Praunsnitz, P. O. Box 678.

### Philippines

Manila: Charter Brunner, P. O. Box 1201, 176 Calle Juan Luna.

### Columbia, S. A.

Bogota: P. Porta, Calle 25 No. 8-23